

REMARKS

Summary

Claims 1 – 8 and 10 – 12 are pending in the application. Claim 1 has been amended and Claim 9 has been cancelled. No new matter has been added as a result of this amendment.

Objections

The Applicant submits that in his response to the Office Action of April 18, 2005 the Title was amended to "LIQUID CRYSTAL DISPLAY DEVICE MECHANICAL IMPROVEMENT." The Applicant believes that this Title is clearly indicative of the claims presented. However, any suggestion that the title of the application be used to limit the claims is improper and is hereby disclaimed.

The applicant respectfully submits that Figure 4 should not be changed. Figure 4 illustrates that the heat expansion of the MD axis is larger than that of the TD axis. This expansion exaggerates the wrinkle phenomenon caused when the heat expansion of the MD axis is restrained by the fixing point 16c. Accordingly, the applicant asserts that Figure 4 is correct as filed and that no amendments are necessary.

Claim Rejections

Claims 1-4, and 10 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Kim (U.S. Patent 6,175,396; "Kim") '417, in view of Hara (U.S. Patent 6,661,482; "Hara") in view of Lien et al. (U.S. Patent 5,309,264; "Lien"), Koike et al. (U.S. Patent 5,745,206; "Koike") and Kim et al. (U.S. Patent 6,005,650 "Kim II").

Amended Claim 1 recites, *inter alia*, an optical sheet having a first thermal expansion coefficient and a second thermal expansion coefficient. In the arrangement of Claim 1, the first and second thermal expansion coefficients have differing values. The optical sheet includes a diffusing sheet that diffuses light and a prism sheet that changes an angle of the light.

Kim fails to suggest or disclose an optical sheet having diagonalic first and second thermal expansion coefficients having differing values. As indicated in the

Office Action mailed April 10, 2006, "Kim '396 does not disclose that the first and second thermal coefficients have differing values." (Page 5, Lines 3 - 4).

Hara also fails to suggest or disclose an optical sheet optical sheet having diagonalic first and second thermal expansion coefficients having differing values. Hara discloses an arrangement that is directed to "light transmittance" and "absorption loss of reflected light." (Column 7, Lines 34 – 36).

The arrangement in Hara is unrelated to the thermal expansion parameters of the optical sheets, so the arrangement of Claim 1 would not have been obvious to one of ordinary skill in the art at the time of the invention. Hara fails to disclose thermal expansion coefficients. Hara suggest adhering the "absorptive polarizing plate" to "one side of a linearly polarized light separation plate," so that the "polarizing direction of a linearly polarized light transmitted through the linearly polarized light separation plate was in parallel with the transmission axis of the absorptive polarizing plate." (Column 8, Lines 13 - 22). The arrangement in Hara is directed to polarization of light and not the thermal expansion coefficients of an optical sheet. Therefore, there is no motivation to combine Kim with Hara because Hara is unrelated to thermal expansion. Accordingly, the applicant asserts that a *prima facie* case of obviousness has not been established.

Lien, Koike, and Kim II fail to teach or suggest an optical sheet including a diffusing sheet and a prism sheet, with the first and second thermal coefficients of the optical sheet having differing values. Applicant asserts that since there is no motivation to combine Kim I and Hara, the addition of these references does not establish a *prima facie* case of obviousness. Accordingly, Claim 1 is allowable over the cited prior art.

Dependent Claims 2 – 8 and 10 - 12 depend from an allowable claim, and are allowable for at least this reason.

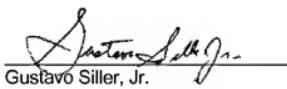
Claim 1 as amended is further distinguished from the cited prior art by reciting that the optical sheet includes a diffusing sheet that diffuses light and a prism sheet that changes an angle of the light. The cited prior art fails to disclose this feature.

Conclusion

For at least the reasons given above, the Applicant respectfully submits that the pending claims are allowable. Accordingly, such allowance is now earnestly requested.

The Examiner is respectfully requested to contact the undersigned in the event that a telephone interview would expedite consideration of the application.

Respectfully submitted,



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